

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/EP 03/11789

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G11C29/00 G11C16/34 G11C16/10 G06F12/02 G06F17/30

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11C G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 412 080 B1 (FLEMING MICHAEL K ET AL) 25 June 2002 (2002-06-25) abstract; figure 3A column 6, line 27 -column 7, line 6	1-31
A	WO 00 68794 A (WEISS DIETER ;GIESECKE & DEVRIENT GMBH (DE)) 16 November 2000 (2000-11-16) abstract; figure 3 page 2 -page 6	1-31
A	EP 0 834 882 A (NOKIA MOBILE PHONES LTD) 8 April 1998 (1998-04-08) column 2, line 5 - line 28 -/-	1-31

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the International search

30 March 2004

Date of mailing of the International search report

27/04/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Ríos Báez, A

INTERNATIONAL SEARCH REPORT

International Application No.

PC 03/11789

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 241 677 A (NIPPON ELECTRIC CO) 18 September 2002 (2002-09-18) figures 12A-13D paragraph '0041! - paragraph '0046! paragraph '0081! - paragraph '0104! -----	1-31
A	EP 0 398 545 A (DELCO ELECTRONICS CORP) 22 November 1990 (1990-11-22) abstract; figures 1A-1E -----	1-31

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No.

P 03/11789

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6412080	B1	25-06-2002	NONE	
WO 0068794	A	16-11-2000	DE 19921232 A1	16-11-2000
			AT 246821 T	15-08-2003
			AU 4755000 A	21-11-2000
			CN 1359493 T	17-07-2002
			DE 50003203 D1	11-09-2003
			WO 0068794 A1	16-11-2000
			EP 1190324 A1	27-03-2002
			JP 2002544590 T	24-12-2002
			US 6622205 B1	16-09-2003
EP 0834882	A	08-04-1998	GB 2317722 A	01-04-1998
			DE 69710665 D1	04-04-2002
			DE 69710665 T2	21-11-2002
			EP 0834882 A2	08-04-1998
			JP 10133940 A	22-05-1998
			US 2001002475 A1	31-05-2001
EP 1241677	A	18-09-2002	JP 2002278850 A	27-09-2002
			EP 1241677 A1	18-09-2002
EP 0398545	A	22-11-1990	EP 0398545 A1	22-11-1990
			JP 3019053 A	28-01-1991